

ABSTRACT

A lock type manually tightened chuck includes a front cover, an inner cover, a driving nut and a chuck body. The front cover is located at the front side of chuck body. The driving nut is fixed to the chuck body in the middle part thereof. A plurality of thin pillars are fixedly attached to the inner cover circumferentially. A plurality of elastic pallets at an end thereof respectively connect with the thin pillar firmly, and the other ends of the pallets has a stick-up respectively. The inner cover is fixedly set around the driving nut. The front cover at the inner wall thereof has a plurality of recesses and each of the recesses has two lateral walls with one of the lateral walls contacting the walls of the thin pillars and the other lateral walls are disposed at the pick-ups of the pallets to lean against each other. A set of ratchets is disposed at the chuck body evenly to correspond to the pallets. The lock type manually tightened chuck can prevent the drill from loosening when it is in work and can be used under being frequently subjected to impact loads.